CLAIMS

1. An image forming apparatus comprising:

reading means for reading a document;

image processing means for processing image data

read by the reading means;

image forming means for forming an image on

an image formation medium based on the image data

processed by the image processing means;

image formation condition-producing means for

producing an image indicative of operating conditions

of at least one of the reading means, the image

processing means and the image formation means; and

means for controlling the image forming means

to form the image from the image formation condition-

producing means on the image formation medium.

2. An image forming apparatus according to

claim 1, wherein said image formation condition-

producing means includes means for producing a

character image indicative of the operating conditions.

3. An image forming apparatus according to

claim 1, wherein said image formation condition-

producing means includes means for producing a pattern

code image indicative of the operating conditions.

4. An image forming apparatus according to

claim 1, wherein said image formation condition-

producing means includes means for producing an image

indicative of input conditions of the reading means.

5. An image forming apparatus according to claim 1, wherein said image formation condition-producing means includes means for forming an image indicative of a resolution and sampling rate of the

5    reading means.

6. An image forming apparatus according to claim 1, wherein said image formation condition-producing means includes means for forming an image indicative of output conditions of the image forming

10   means.

7. An image forming apparatus according to claim 1, wherein said image formation condition-producing means includes means for forming an image indicative of processing conditions of the image

15   processing means.

8. An image forming apparatus according to claim 1, further comprising:

synthesizing means for synthesizing an image obtained by the image processing means with the image

20   produced by the image formation condition-producing means, wherein

an image obtained by the synthesizing means is formed on the image formation medium by the image forming means.

25   9. An image forming apparatus according to claim 8, further comprising:

designating means for designating whether or not

an image obtained by the image processing means should be synthesized with the image produced by the image formation condition-producing means, wherein

said synthesizing means synthesizes the image obtained by the image processing means with the image produced by the image formation condition-producing means and provides a resultant synthesized image in a case where the designating means designates synthesis, and provides only the image obtained by the image processing means in other cases.

10. An image forming apparatus comprising:

image input means for reading a document and inputting an image on the document;

first image processing means for processing the image input by the image input means;

image producing means for producing a test pattern image used for evaluating a printed image;

image synthesizing means for synthesizing the image processed by the first image processing means with the test pattern image produced by the image producing means;

second image processing means for processing a synthesized image obtained by the image synthesizing means; and

printing means for printing the synthesized image obtained by the second image processing means, thereby providing the printed image.

11.  An image forming apparatus according to
claim 10, wherein said image producing means includes
means for producing a test pattern image used for
checking a resolution of the printed image.

5        12.  An image forming apparatus according to
claim 10, wherein said image producing means includes
means for producing a test pattern image used for
checking gradation characteristics of the printed image.

        13.  An image forming apparatus according to
10  claim 12, wherein said second image processing means
includes a gradation processing circuit.

     14.  An image processing apparatus comprising:
     image input means for reading a document and
inputting an image on the document;

15       image processing means for processing the image
input by the image input means;

        image producing means for producing an image
indicative of operating conditions under which the
image processing apparatus operates and each of which
20  includes a plurality of items;

        image synthesizing means for synthesizing the
image processed by the image processing means with the
image produced by the image producing means;

        image output means for outputting a synthesized
25  image obtained by the image synthesizing means;

        operating condition storage means for storing the
operating conditions indicated by the image produced by

the image producing means, along with a plurality of

identification codes corresponding to the operating

conditions, respectively;

   identification code input means for inputting an

5    identification code included among the identification

codes; and

   operating means for searching the operating

condition storage means for the operating condition

that corresponds to the identification code input by

10   the identification code input means, and for operating

the image processing apparatus in accordance with the

operating condition that has been searched for.

   15.  An image processing apparatus according to

claim 14, wherein said image producing means includes

15   means for producing an image indicative of operating

condition of the image processing means, and said

operating means includes means for operating the image

processing means in accordance with the operating

condition that have been searched for.

20   16.  An image processing apparatus according to

claim 15, wherein said operating conditions include

parameters regarding color conversion and spatial

filtering.

   17.  An image processing method comprising:

25   a first step for reading a document and inputting

an image on the document;

   a second step for processing the image input in

the first step;

a third step for producing an image indicative of operating conditions under which an image processing apparatus operates and each of which includes a

5   plurality of items;

a fourth step for synthesizing the image processed in the second step with the image produced in the third step;

a fifth step for outputting a synthesized image

10  obtained in the fourth step;

a sixth step for causing an operating condition memory to store the operating conditions indicated by the image produced in the third step, along with a plurality of identification codes corresponding to the

15  operating conditions, respectively;

a seventh step for inputting an identification code, which is included among the identification codes; and

an eighth step for searching the operating

20  condition memory for the operating condition that corresponds to the identification code input in the seventh step, and for operating the image processing apparatus in accordance with the operating condition that has been searched for.